

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/13035

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C08F10/06 C08F290/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99/29742 A (EXXON CHEMICAL PATENTS INC) 17 June 1999 (1999-06-17) page 3, line 14 - page 22, line 17; claims; examples	1-23
X	WO 98/34971 A (EXXON CHEMICAL PATENTS INC) 13 August 1998 (1998-08-13) page 4, line 1 - page 21, line 29; claims; examples	1-25
X	WO 94/07930 A (EXXON CHEMICAL PATENTS INC) 14 April 1994 (1994-04-14) page 5, line 27 - page 40, line 22; claims	1-25
X	EP 0 987 279 A (IDEMITSU PETROCHEMICAL CO) 22 March 2000 (2000-03-22) claims; examples 5-8	1-19, 22, 23
	-/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

17 March 2004

Date of mailing of the international search report

26/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Kaumann, E

# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 03/13035

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 209 173 A (IDEMITSU PETROCHEMICAL CO) 29 May 2002 (2002-05-29) page 20, line 6 - page 23, line 43; examples I-1, I-2, I-5, I-6, I-7 page 31, line 7 - page 41, line 37; claims -----	1-19, 22, 23
X	US 5 554 668 A (SCHEVE B JOSEPH ET AL) 10 September 1996 (1996-09-10) cited in the application column 8, line 31 - line 58; claims -----	22-25
A	EP 1 195 391 A (ATOFINA RES) 10 April 2002 (2002-04-10) page 3, line 31 - line 39 page 5, line 65 - page 6, line 11; claims -----	1-25
A	WO 00/37514 A (EXXON CHEMICAL PATENTS INC) 29 June 2000 (2000-06-29) page 18, line 5 - page 19, line 18; claims; examples -----	1-25
A	WO 99/02540 A (BOREALIS AS ;REPO TIMO (FI); LESKELAE MARKKU (FI)) 21 January 1999 (1999-01-21) page 14, line 7 - page 15, line 14; claims -----	1-25

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/13035

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9929742	A	17-06-1999	BR 9813031 A	15-08-2000
			CA 2306352 A1	17-06-1999
			CN 1106408 B	23-04-2003
			DE 69818705 D1	06-11-2003
			EP 1361232 A2	12-11-2003
			EP 1044225 A1	18-10-2000
			JP 2001525460 T	11-12-2001
			US 6197910 B1	06-03-2001
			WO 9929742 A1	17-06-1999
			US 6342574 B1	29-01-2002
WO 9834971	A	13-08-1998	BR 9806952 A	21-03-2000
			BR 9807468 A	02-05-2000
			BR 9807672 A	15-02-2000
			BR 9807827 A	08-03-2000
			BR 9808578 A	30-05-2000
			CA 2274062 A1	13-08-1998
			CA 2276214 A1	13-08-1998
			CA 2277063 A1	13-08-1998
			CA 2277111 A1	13-08-1998
			CA 2279851 A1	13-08-1998
			CN 1246127 T	01-03-2000
			CN 1113915 B	09-07-2003
			CN 1130406 B	10-12-2003
			CN 1128840 B	26-11-2003
			DE 69808243 D1	31-10-2002
			DE 69808243 T2	08-05-2003
			DE 69809192 D1	12-12-2002
			DE 69809192 T2	24-07-2003
			DE 69816037 D1	07-08-2003
			EP 0958323 A1	24-11-1999
			EP 0958309 A1	24-11-1999
			EP 0958313 A1	24-11-1999
			EP 0958314 A1	24-11-1999
			EP 0958324 A1	24-11-1999
			ES 2181173 T3	16-02-2003
			ES 2187005 T3	16-05-2003
			JP 2001511212 T	07-08-2001
			JP 2002513433 T	08-05-2002
			JP 2001511214 T	07-08-2001
			JP 2001527589 T	25-12-2001
			JP 2001511215 T	07-08-2001
			US 6114457 A	05-09-2000
			US 6147180 A	14-11-2000
			US 6660809 B1	09-12-2003
			WO 9834985 A1	13-08-1998
			WO 9834986 A1	13-08-1998
			WO 9834965 A1	13-08-1998
			WO 9834970 A1	13-08-1998
			WO 9834971 A1	13-08-1998
			US 2003078350 A1	24-04-2003
			US 6444773 B1	03-09-2002
			US 2002077434 A1	20-06-2002
WO 9407930	A	14-04-1994	AU 4928993 A	26-04-1994
			CA 2145635 A1	14-04-1994
			EP 0662980 A1	19-07-1995
			JP 8502303 T	12-03-1996

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/13035

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9407930	A	WO 9407930 A1	14-04-1994
EP 0987279	A	22-03-2000	
		JP 10338717 A	22-12-1998
		JP 10338704 A	22-12-1998
		JP 11199641 A	27-07-1999
		JP 11292944 A	26-10-1999
		EP 0987279 A1	22-03-2000
		US 6573352 B1	03-06-2003
		CN 1117104 B	06-08-2003
		WO 9855520 A1	10-12-1998
		TW 513442 B	11-12-2002
		US 2003208024 A1	06-11-2003
EP 1209173	A	29-05-2002	
		EP 1209173 A1	29-05-2002
		CN 1364174 T	14-08-2002
		WO 0107493 A1	01-02-2001
US 5554668	A	10-09-1996	
		US 4916198 A	10-04-1990
		US 5591785 A	07-01-1997
		US 5731362 A	24-03-1998
		AT 88196 T	15-04-1993
		CA 1280543 C	19-02-1991
		CN 1041769 A ,B	02-05-1990
		DE 3688258 D1	19-05-1993
		DE 3688258 T2	29-07-1993
		EP 0190889 A2	13-08-1986
		IN 170549 A1	11-04-1992
		NO 167039 B	17-06-1991
		PT 81945 A ,B	01-02-1986
		AU 616106 B2	17-10-1991
		AU 5215890 A	19-07-1990
		AU 597241 B2	31-05-1990
		AU 5284386 A	07-08-1986
		AU 7942891 A	12-09-1991
		BR 8600413 A	14-10-1986
		CN 86100791 A ,B	04-02-1987
		IN 166935 A1	11-08-1990
		JP 7045551 B	17-05-1995
		JP 62121704 A	03-06-1987
		NO 860330 A	01-08-1986
		RU 2031906 C1	27-03-1995
		ZA 8600528 A	24-09-1986
EP 1195391	A	10-04-2002	
		EP 1195391 A1	10-04-2002
		AU 2358902 A	15-04-2002
		CN 1468265 T	14-01-2004
		WO 0228923 A1	11-04-2002
		EP 1322682 A1	02-07-2003
WO 0037514	A	29-06-2000	
		BR 9916426 A	04-09-2001
		CA 2356667 A1	29-06-2000
		CN 1361795 T	31-07-2002
		EP 1141051 A1	10-10-2001
		JP 2002533485 T	08-10-2002
		WO 0037514 A1	29-06-2000
		US 2003060583 A1	27-03-2003
		US 6573350 B1	03-06-2003

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/13035

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9902540	A	21-01-1999	FI 972946 A	12-01-1999
			AU 8341498 A	08-02-1999
			EP 0994885 A1	26-04-2000
			WO 9902540 A1	21-01-1999
			JP 2001509511 T	24-07-2001
			US 6362356 B1	26-03-2002
<hr/>				